RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/048,234A
Source: IFW16
Date Processed by STIC: 9/21/06

ENTERED

CRF Errors Edited by the STIC Systems Branch

Serial Number: 10/048,234A CRF Edit Date: 9/21/06
Edited by: AR

____ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

____ Corrected the SEQ ID NO. Sequence numbers edited were:

_____

____ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

_____

____ Deleted: 1 invalid beginning/end-of-file text ; 1 page numbers

____ Inserted mandatory headings/numeric identifiers, specifically:

_____

____ Moved responses to same line as heading/numeric identifier, specifically:

_____

____ Other:

_____
_____
_____

Revised 09/09/2003

IFW16

RAW SEQUENCE LISTING DATE: 09/21/2006
PATENT APPLICATION: **US/10/048,234A** TIME: 16:38:17

Input Set : **A:\PTO.AMC.txt**
Output Set: **N:\CRF4\09212006\J048234A.raw**

<110> APPLICANT: Fogh, Jens
Gellerfors, Par
<120> TITLE OF INVENTION: PRODUCTION OF rhPBGD AND NEW THERAPEUTIC
METHODS FOR TREATING PATIENTS WITH ACUTE INTERMITTENT
PORPHYRIA (AIP) AND OTHER PORPHYRIC DISEASES
<130> FILE REFERENCE: GELLERFORS=2
<140> CURRENT APPLICATION NUMBER: US 10/048,234A
<141> CURRENT FILING DATE: 2003-09-11
<150> PRIOR APPLICATION NUMBER: PA 1999 01071
<151> PRIOR FILING DATE: 1999-07-27
<150> PRIOR APPLICATION NUMBER: PA 2000 00667
<151> PRIOR FILING DATE: 2000-04-19
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Input Set : **A:\PTO.AMC.txt**
Output Set: **N:\CRF4\09212006\J048234A.raw**

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59 aaatgcttca ataatattga aaaaggaaga gtatgagtat tcaacatttc cgtgtcgccc 1620
60 ttattccctt ttttgcggca ttttgccttc ctgtttttgc tcacccagaa acgctggtga 1680
61 aagtaaaaga tgctgaagat cagttgggtg cacgagtggg ttacatcgaa ctggatctca 1740
62 acagcggtaa gatccttgag agttttcgcc ccgaagaacg ttttccaatg atgagcactt 1800
63 ttaaagttct gctatgtggc gcggtattat cccgtgttga cgccgggcaa gagcaactcg 1860
64 gtcgccgcat acactattct cagaatgact tggttgagta ctcaccagtc acagaaaagc 1920
65 atcttacgga tggcatgaca gtaagagaat tatgcagtgc tgccataacc atgagtgata 1980
66 acactgcggc caacttactt ctgacaacga tcggaggacc gaaggagcta accgcttttt 2040
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68 ccataccaaa cgacgagcgt gacaccacga tgcctgtagc aatggcaaca acgttgcgca 2160
69 aactattaac tggcgaacta cttactctag cttcccggca acaattaata gactggatgg 2220
70 aggcggataa agttgcagga ccacttctgc gctcggccct tccggctggc tggtttattg 2280
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76 tccactgagc gtcagacccc gtagaaaaga tcaaaggatc ttcttgagat cctttttttc 2640
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93 tgttgctcag gtcgcagacg ttttgcagca gcagtcgctt cacgttcgct cgcgtatcgg 3660
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PATENT APPLICATION: **US/10/048,234A** TIME: 16:38:17

Input Set : **A:\PTO.AMC.txt**
Output Set: **N:\CRF4\09212006\J048234A.raw**

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108 gagctgactg ggttgaaggc tctcaagggc atcggtcgac gctctccctt atgcgactcc 4560
109 tgcattagga agcagcccag tagtaggttg aggccgttga gcaccgccgc cgcaaggaat 4620
110 ggtgcatgca aggagatggc gcccaacagt cccccggcca cggggcctgc caccataccc 4680
111 acgccgaaac aagcgctcat gagcccgaag tggcgagccc gatcttcccc atcggtgatg 4740
112 tcggcgatat aggcgccagc aaccgcacct gtggcgccgg tgatgccggc cacgatgcgt 4800
113 ccggcgtaga ggatccacag gacgggtgtg gtcgccatga tcgcgtagtc gatagtggct 4860
114 ccaagtagcg aagcgagcag gactgggcgg cggccaaagc ggtcggacag tgctccgaga 4920
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116 gcgatgctgt cggaatggac gatatcccgc aagaggcccg gcagtaccgg cataaccaag 5040
117 cctatgccta cagcatccag ggtgacggtg ccgaggatga cgatgagcgc attgttagat 5100
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120 atgcttctgg cgtcaggcag ccatcggaag ctgtggtatg gctgtgcagg tcgtaaatca 5280
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122 atcataacgg ttctggcaaa tattctgaaa tgagctgttg acaattaatc atcggctcgt 5400
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133 gaggcggccc agttttccag caggctacat ttacgttgta gcaattggcg ctcttcgcta 180
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136 tgtactgaca ttccacgata cagttcaagc tcgttcaggt agtggcgttg agtttcatca 360
137 ggcgtgtaaa ggcaaatgcc tttgggaacg ttaccatcaa ggtagcccgg cattagcgga 420
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141 caacatcaac ggtaacacgc ggcattcggg atatttcgta tgtcaaaggt aaccgttacc 660
142 acttttcgcg cctggttttt ttagtttcac gacgaaaaaa tggtctaaaa cgtgatcaat 720
143 ttaacacctt gctgattgac cgtaaagaaa gatgcgctac atacaagtgt agcaccgttt 780
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155 cacccttgtt acaccgtttt ccatgagcaa actgaaacgt tttcatcgct ctggagtgaa 1500
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RAW SEQUENCE LISTING DATE: 09/21/2006
PATENT APPLICATION: **US/10/048,234A** TIME: 16:38:17

Input Set : **A:\PTO.AMC.txt**
Output Set: **N:\CRF4\09212006\J048234A.raw**

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158 ccctgggtga gtttcaccag ttttgattta aacgtggcca atatggacaa cttcttcgcc 1680
159 cccgttttca ccatgggcaa atattatacg caaggcgaca aggtgctgat gccgctggcg 1740
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183 cggatatgaa tgacccgagt ctgattaccg ttcgtcgggc aattaccgat gatatcgcca 3180
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194 accacagggg acaagattct tgatactgca ctctctaaga ttggagagaa aagcctgttt 180
195 accaaggagc ttgaacatgc cctggagaag aatgaagtgg acctggttgt tcactccttg 240
196 aaggacctgc ccactgtgct tcctcctggc ttcaccatcg gagccatctg caagcgggaa 300
197 aaccctcatg atgctgttgt ctttcaccca aaatttgttg ggaagaccct agaaaccctg 360
198 ccagagaaga gtgtggtggg aaccagctcc ctgcgaagag cagcccagct gcagagaaag 420
199 ttcccgcatc tggagttcag gagtattcgg ggaaacctca acacccggct tcggaagctg 480
200 gacgagcagc aggagttcag tgccatcatc ctggcaacag ctggcctgca gcgcatgggc 540
201 tggcacaacc gggttgggca gatcctgcac cctgaggaat gcatgtatgc tgtgggccag 600
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203 ctgcacgatc ccgagactct gcttcgctgc atcgctgaaa gggccttcct gaggcacctg 720
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Input Set : **A:\PTO.AMC.txt**
Output Set: **N:\CRF4\09212006\J048234A.raw**

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222 ctggttgttc actccttgaa ggacctgccc actgtgcttc ctcctggctt caccatcgga 360
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228 atgtatgctg tgggccaggg ggccttgggc gtggaagtgc gagccaagga ccaggacatc 720
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233 gacccacagt tggtaggcat cactgctcgt aacattccac gagggcccca gttggctgcc 1020
234 cagaacttgg gcatcagcct ggccaacttg ttgctgagca aaggagccaa aaacatcctg 1080
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251 gacgagcagc aggagttcag tgccatcatc ctggcaacag ctggcctgca gcgcatgggc 540
252 tggcacaacc gggtggggca gatcctgcac cctgaggaat gcatgtatgc tgtgggccag 600
253 ggggccttgg gcgtggaagt gcgagccaag gaccaggaca tcttggatct ggtgggtgtg 660
254 ctgcacgatc ccgagactct gcttcgctgc atcgctgaaa gggccttcct gaggcacctg 720
255 gaaggaggct gcagtgtgcc agtagccgtg catacagcta tgaaggatgg gcaactgtac 780
256 ctgactggag gagtctggag tctagacggc tcagatagca tacaagagac catgcaggct 840
257 accatccatg tccctgccca gcatgaagat ggccctgagg atgacccaca gttggtaggc 900
258 atcactgctc gtaacattcc acgagggccc cagttggctg cccagaactt gggcatcagc 960
259 ctggccaact tgttgctgag caaaggagcc aaaaacatcc tggatgttgc acggcaattg 1020
260 aacgatgccc attaa 1035

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 09/21/2006
PATENT APPLICATION: **US/10/048,234A** TIME: 16:38:18

Input Set : **A:\PTO.AMC.txt**
Output Set: **N:\CRF4\09212006\J048234A.raw**

Invalid Line Length:
The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:62; Line(s) 1070

VERIFICATION SUMMARY DATE: 09/21/2006
PATENT APPLICATION: **US/10/048,234A** TIME: 16:38:18

Input Set : **A:\PTO.AMC.txt**
Output Set: **N:\CRF4\09212006\J048234A.raw**

Raw Sequence Listing before editing (for reference only)

IFW16

RAW SEQUENCE LISTING DATE: 09/21/2006
PATENT APPLICATION: **US/10/048,234A** TIME: 11:43:42

Input Set : **A:\2006-09-18 Modified Sequence Listing.txt**
Output Set: **N:\CRF4\09212006\J048234A.raw**

```
   4 <110> APPLICANT: Fogh, Jens
   5       Gellerfors, Par
   7 <120> TITLE OF INVENTION: PRODUCTION OF rhPBGD AND NEW THERAPEUTIC
   8       METHODS FOR TREATING PATIENTS WITH ACUTE INTERMITTENT
   9       PORPHYRIA (AIP) AND OTHER PORPHYRIC DISEASES
  12 <130> FILE REFERENCE: GELLERFORS=2
  14 <140> CURRENT APPLICATION NUMBER: US 10/048,234A
  15 <141> CURRENT FILING DATE: 2003-09-11
  17 <150> PRIOR APPLICATION NUMBER: PA 1999 01071
  18 <151> PRIOR FILING DATE: 1999-07-27
  20 <150> PRIOR APPLICATION NUMBER: PA 2000 00667
  21 <151> PRIOR FILING DATE: 2000-04-19
  23 <160> NUMBER OF SEQ ID NOS: 62
  25 <170> SOFTWARE: FastSEQ for Windows Version 4.0
```

Does Not Comply
Corrected Diskette Needed

ERRORED SEQUENCES

```
1064 <210> SEQ ID NO: 62
1065 <211> LENGTH: 25
1066 <212> TYPE: DNA
1067 <213> ORGANISM: Homo sapiens
1069 <400> SEQUENCE: 62
1070 acccggttgt gctagcccat gcgct                                    25
E--> 1071 ??
E--> 1073 ??
E--> 1075 ??
E--> 1077 ??
```

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 09/21/2006
PATENT APPLICATION: **US/10/048,234A** TIME: 11:43:44

Input Set : **A:\2006-09-18 Modified Sequence Listing.txt**
Output Set: **N:\CRF4\09212006\J048234A.raw**

Invalid Line Length:
The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:62; Line(s) 1070

VERIFICATION SUMMARY DATE: 09/21/2006
PATENT APPLICATION: **US/10/048,234A** TIME: 11:43:44

Input Set : **A:\2006-09-18 Modified Sequence Listing.txt**
Output Set: **N:\CRF4\09212006\J048234A.raw**

L:1071 M:334 E: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:1
L:1073 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:62
L:1073 M:334 E: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:1
L:1075 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:62
L:1075 M:334 E: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:1
L:1077 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:62
L:1077 M:334 E: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:1